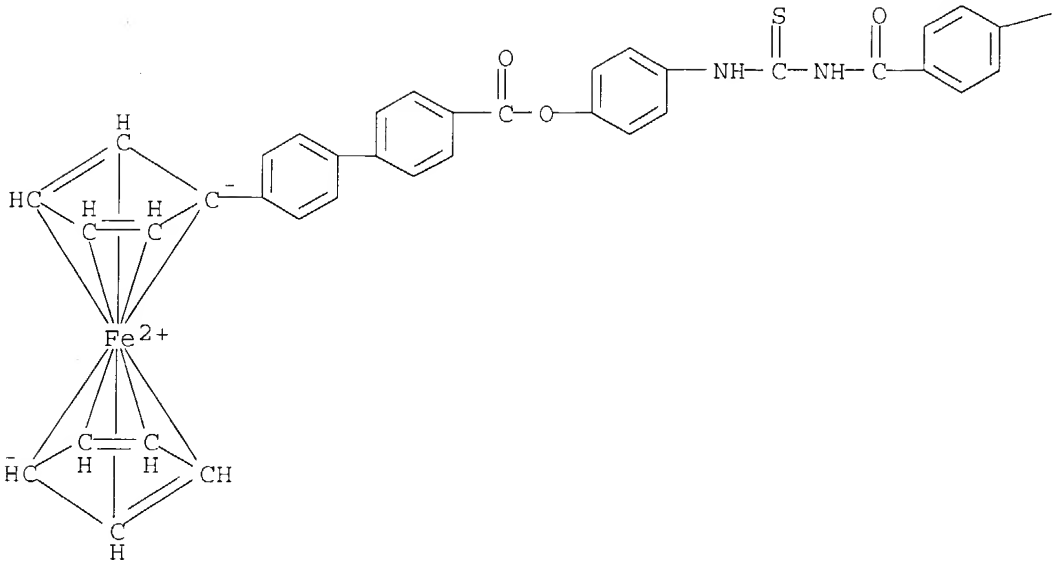
L11 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:318360 CAPLUS
DOCUMENT NUMBER: 129:95584
TITLE: Thermotropic properties of monosubstituted ferrocene derivatives bearing bidentate N-benzoyl-N'-arylthiourea ligands-novel building blocks for heterometallic liquid crystal systems
AUTHOR(S): Seshadri, Tarimala; Haupt, Hans-jurgen
CORPORATE SOURCE: Department of Inorganic and Analytical Chemistry, University of Paderborn, Paderborn, 33098, Germany
SOURCE: Journal of Materials Chemistry (1998), 8(6), 1345-1350
CODEN: JMACEP; ISSN: 0959-9428
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Ferrocene-based derivs. such as 4-{3-[4-(octyloxy)benzoyl]thioureido}phenyl 4-ferrocenylbenzoate and other higher homologues (n = 12, 16, 18; n = length of alkoxy chain) were prepared by reacting 4-alkoxybenzoyl isothiocyanates with the corresponding amines containing the ferrocenyl moiety. Their mesomorphic properties were investigated by polarized optical microscopy and differential scanning calorimetry. All the compds. exhibit enantiotropic nematic phases and the nematic range increases with increasing terminal alkyl chain length. On cooling, the nematic phase persists below 0° in the first three compds. and in the case of n=18, a phase transformation, possibly to the SC phase, around 72° during cooling was observed In all cases, a glass transition was observed around Tg = 18-35°, which is remarkable for low mol. mass calamitic metallomesogen systems.

IT **209746-30-5P 209746-31-6P 209746-32-7P 209746-33-8P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(thermotropic properties of monosubstituted ferrocene derivs. bearing bidentate benzoyl arylthiourea ligands-novel building blocks for heterometallic liquid crystal systems)

RN 209746-30-5 CAPLUS
CN Ferrocene, [4'-[[4-[[[[4-(octyloxy)benzoyl]amino]thioxomethyl]amino]phenoxy]carbonyl][1,1'-biphenyl]-4-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A

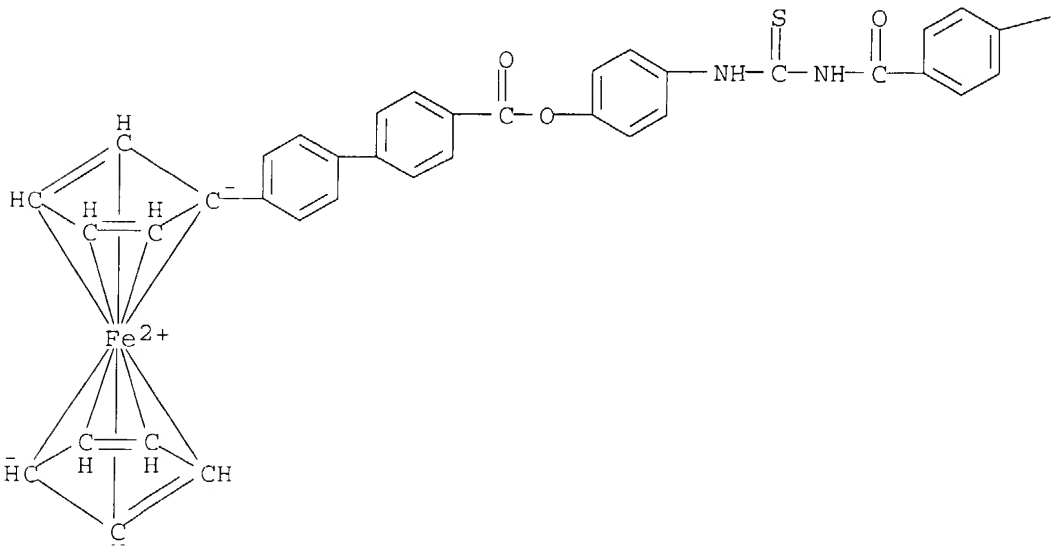


PAGE 1-B

—O—$(CH_2)_7$—Me

RN 209746-31-6 CAPLUS
CN Ferrocene, [4'-[[4-[[[[4-(dodecyloxy)benzoyl]amino]thioxomethyl]amino]phenoxy]carbonyl][1,1'-biphenyl]-4-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A

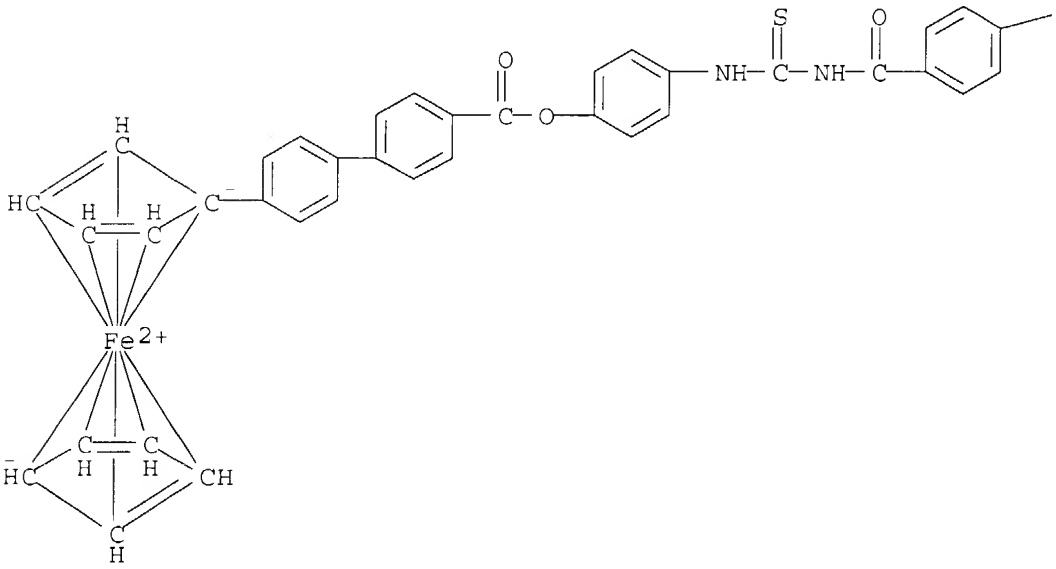


PAGE 1-B

—O—$(CH_2)_{11}$—Me

RN 209746-32-7 CAPLUS
CN Ferrocene, [4'-[[4-[[[[4-(hexadecyloxy)benzoyl]amino]thioxomethyl]amino]phenoxy]carbonyl][1,1'-biphenyl]-4-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A

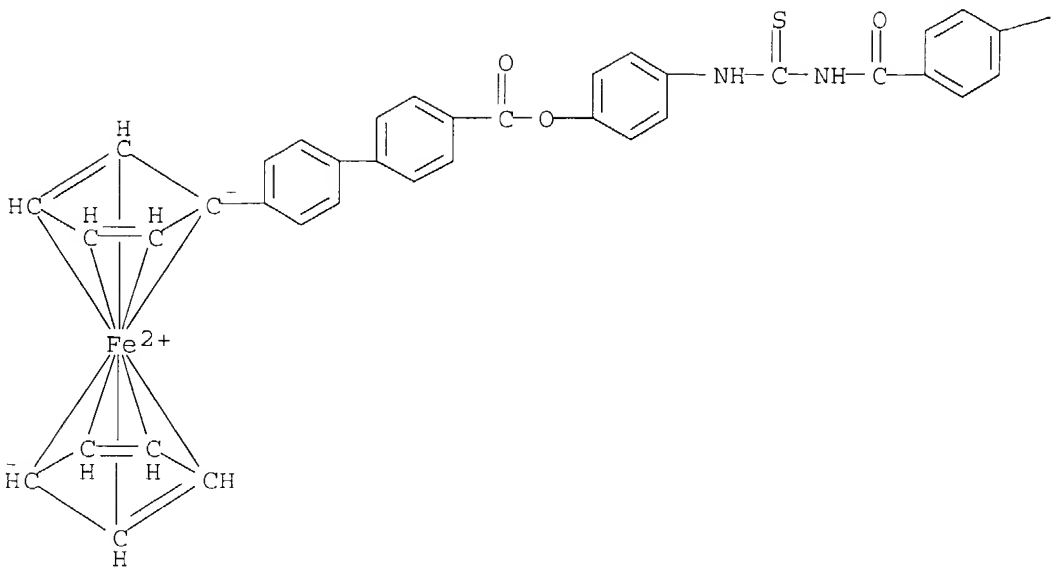


PAGE 1-B

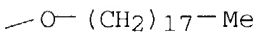
—O—$(CH_2)_{15}$—Me

RN 209746-33-8 CAPLUS
CN Ferrocene, [4'-[[4-[[[[4-(octadecyloxy)benzoyl]amino]thioxomethyl]amino]phenoxy]carbonyl][1,1'-biphenyl]-4-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

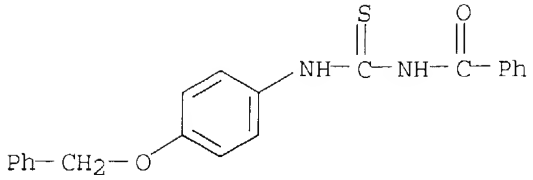


REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

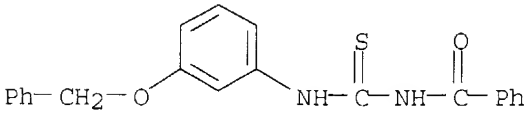
L11 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1988:589962 CAPLUS
DOCUMENT NUMBER: 109:189962
TITLE: Improved procedures for the preparation of cycloalkyl-, and arylalkyl-, and arylthioureas
AUTHOR(S): Rasmussen, C. R.; Villani, F. J., Jr.; Weaner, L. E.; Reynolds, B. E.; Hood, A. R.; Hecker, L. R.; Nortey, S. O.; Hanslin, A.; Costanzo, M. J.; et al.
CORPORATE SOURCE: Dep. Chem. Res., Janssen Res. Found., Spring House, PA, 19477-0776, USA
SOURCE: Synthesis (1988), (6), 456-9
CODEN: SYNTBF; ISSN: 0039-7881
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 109:189962

AB Benzoyl isothiocyanate (obtained from PhCOCl and NH4SCN) was treated with anilines to give R1NHCSNHCOPh (R1 = Ph, halophenyl, F3CC6H4, alkylphenyl, anisyl, PhCH2OC6H4, O2NC6H4, Me2NC6H4, MeClC6H3, xylyl, dimethoxyphenyl). Subsequent debenzoylation by NaOH gave R1NHCSNH2. Similarly, 1-(2-pyridyl)thiourea was prepared from 2-aminopyridine.

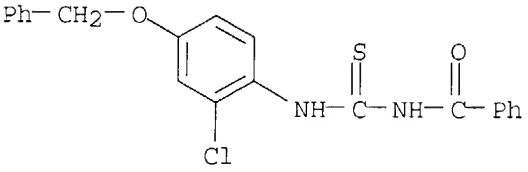
IT **65069-49-0P 117174-74-0P 117174-77-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)



RN 117174-74-0 CAPLUS
CN Benzamide, N-[[[3-(phenylmethoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



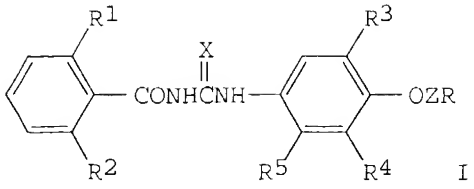
RN 117174-77-3 CAPLUS
CN Benzamide, N-[[[2-chloro-4-(phenylmethoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:4684 CAPLUS
DOCUMENT NUMBER: 106:4684
TITLE: Arylbenzoylurea derivatives as insecticides
PATENT ASSIGNEE(S): Union Carbide Corp., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61122263	A2	19860610	JP 1985-253895	19851114
US 4638088	A	19870120	US 1984-672007	19841115
EP 186297	A1	19860702	EP 1985-308319	19851114
EP 186297	B1	19890308		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 41147	E	19890315	AT 1985-308319	19851114
AU 8549945	A1	19860522	AU 1985-49945	19851115
AU 585279	B2	19890615		

PRIORITY APPLN. INFO.: US 1984-672007 19841115



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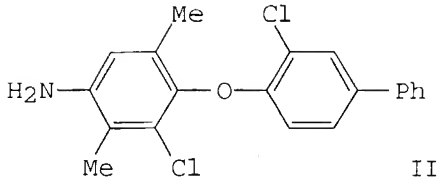


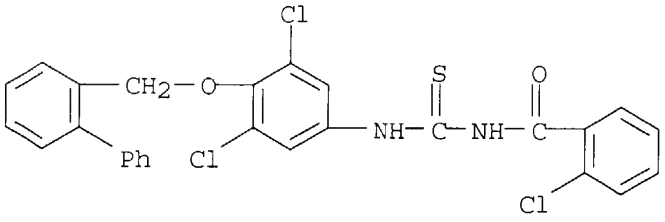
II

AB The title compds. [I; R = (un)substituted biphenylyl; R1 = halo, alkyl, alkoxy, etc.; R2 = H, halo, alkyl, etc.; R3, R4, R5 = H, halo, alkyl, alkoxy, etc.; X = O, S; Z : bond, C1-8 alkylene], effective insecticides at 1-500 ppm, are prepared Thus, 0.005 mol 2-ClC6H4CONCO was added to a solution of 0.004 mol I in MePh at 40-50° under N and heated at 60-70° to give I (R = 2,4-ClPhC6H3, R1 = R2 = Cl, R2 = H, R3 = R5 = Me, X = O, Z = bond).

IT **105683-77-0P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and insecticidal activity of)

RN 105683-77-0 CAPLUS

CN Benzamide, N-[[[4-([1,1'-biphenyl]-2-ylmethoxy)-3,5-dichlorophenyl]amino]thioxomethyl]-2-chloro- (9CI) (CA INDEX NAME)



L11 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1980:604452 CAPLUS

DOCUMENT NUMBER: 93:204452

TITLE: Nitrogen heterocyclic carboximidamide compounds

INVENTOR(S): Rasmussen, Chris R.

PATENT ASSIGNEE(S): McNeil Laboratories, Inc., USA

SOURCE: U.S., 45 pp. Cont.-in-part of U.S. Ser. No. 752,588, abandoned.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4211867	A	19800708	US 1977-828561	19770829
GB 1573532	A	19800828	GB 1977-10988	19770315
CS 225804	P	19840213	CS 1977-1755	19770316

AU 517001	B2	19820617		
SE 7703114	A	19770920	SE 1977-3114	19770318
SE 423628	B	19820517		
SE 423628	C	19820826		
FI 7700864	A	19770920	FI 1977-864	19770318
FI 65243	B	19831230		
FI 65243	C	19840410		
DK 7701194	A	19770920	DK 1977-1194	19770318
NL 7703011	A	19770921	NL 1977-3011	19770318
JP 52136168	A2	19771114	JP 1977-29411	19770318
JP 63027342	B4	19880602		
FR 2361366	A1	19780310	FR 1977-8229	19770318
FR 2361366	B1	19840302		
ES 457010	A1	19780716	ES 1977-457010	19770318
ZA 7701644	A	19781025	ZA 1977-1644	19770318
AT 7701906	A	19791015	AT 1977-1906	19770318
AT 356669	B	19800512		
SU 795471	D	19810107	SU 1977-2462806	19770318
CA 1100494	A1	19810505	CA 1977-274239	19770318
RO 71209	P	19811104	RO 1977-89709	19770318
IL 51694	A1	19820131	IL 1977-51694	19770318
CH 635073	A	19830315	CH 1977-3448	19770318
PL 110453	B1	19800731	PL 1977-196775	19770319
DD 130242	C	19780315	DD 1977-197955	19770321
CH 632994	A	19821115	CH 1981-1750	19810313
CH 634557	A	19830215	CH 1982-2061	19820402
CH 636084	A	19830513	CH 1982-2062	19820402

PRIORITY APPLN. INFO.: US 1976-668386 19760319
US 1976-752588 19761220
CH 1977-3448 19770318

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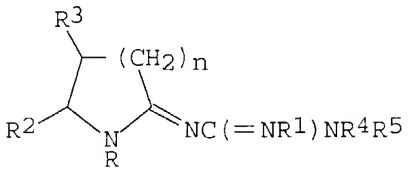
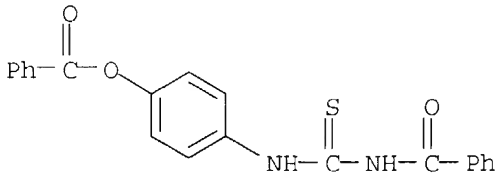


I

AB Pyrrolidines, piperidines, and hexahydroazepines I [n = 1, 2, 3; R = H, alkyl, cycloalkyl, 2-alkenyl, hydroxyalkyl PhCH2,Ph; R1 = alkyl, cycloalkyl, bicycloalkyl, bicycloalkenyl, tricycloalkyl, 1-adamantylmethyl, tricycloalkenyl, phenylalkyl, naphthylalkyl, α,α-tetramethylenephenethyl, diphenylalkyl, naphthyl, diarenocycloalkenyl, arenocycloalkyl, phenylcycloalkyl cycloalkylcycloalkyl, Ph, methylenedioxyphenyl, halo-, alkyl-, alkoxy-, amino-, (dime hylamino)-, (methylethylamino)-, (diethylamino)-, (alkanoylamino)-, alkylthio-, alkylsulfinyl-, alkylsulfonyl-, (trifluoromethyl)-, hydroxy-, benzyloxy-, alkanoyloxy-, alkanoyl-, or nitrophenyl; R2 = H, alkyl, Ph; R3 = H, alkyl, Ph; R4 = H, Me, Et; R5 = alkyl, cycloalkyl, PhCH2, Ph, halo-, alkyl-, or alkoxyphenyl; or NR4R5 = aziridinyl, azetidinyl, pyrrolidinyl, piperidino, hexahydroazepin-1-yl, morpholino, thiamorpholino, thiamorpholino 1-oxide, thiamopholino 1,1-dioxide, 2,6-dialkylmorpholino, 4-alkyl-1-piperazinyl,

[illegible]
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deacylation of)
RN 75357-84-5 CAPLUS
CN Benzamide, N-[[[4-(benzoyloxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1980:514168 CAPLUS
DOCUMENT NUMBER: 93:114168
TITLE: Insecticidal urea and thiourea compounds
INVENTOR(S): Brouwer, Marius Sander; Grosscurt, Arnoldus Cornelis
PATENT ASSIGNEE(S): Duphar International Research B. V., Neth.
SOURCE: Ger. Offen., 58 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2926480	A1	19800124	DE 1979-2926480	19790630
ZA 7903186	A	19810225	ZA 1979-3186	19790626
US 4350706	A	19820921	US 1979-52371	19790627
AU 7948581	A1	19800207	AU 1979-48581	19790702
AU 529840	B2	19830623		
DK 7902808	A	19800107	DK 1979-2808	19790703
DK 155597	B	19890424		
DK 155597	C	19891023		
SE 7905822	A	19800107	SE 1979-5822	19790703
NL 7905155	A	19800108	NL 1979-5155	19790703
GB 2028803	A	19800312	GB 1979-23053	19790703
GB 2028803	B2	19830427		
AT 7904645	A	19811215	AT 1979-4645	19790703
AT 367604	B	19820726		
CA 1124240	A1	19820525	CA 1979-330989	19790703
CS 216201	B2	19821029	CS 1979-4674	19790703
IL 57714	A1	19830731	IL 1979-57714	19790703
HU 25756	O	19830829	HU 1979-DU310	19790703
HU 182947	B	19840328		
CH 642061	A	19840330	CH 1979-6217	19790703
BE 877486	A1	19800104	BE 1979-196137	19790704
FR 2430415	A1	19800201	FR 1979-17383	19790704
FR 2430415	B1	19820108		
BR 7904225	A	19800408	BR 1979-4225	19790704
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PRIORITY APPLN. INFO.: NL 1976 7510 19760708

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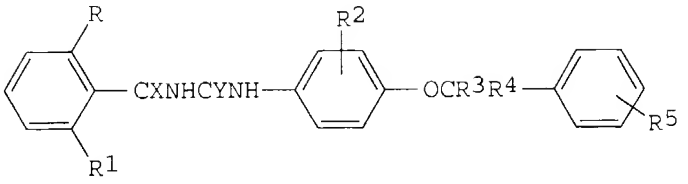


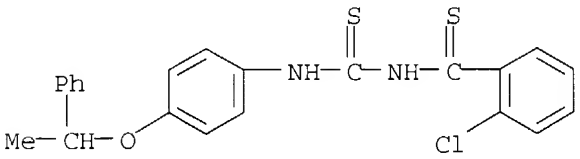
I

AB A series of 221 compds. of overall formula I (R = H, F; R1 F, Cl, Me; R2 = R5 = H, halogen, haloalkyl; R3, R4 = optionally substituted aliphatic group, Ph, cyano; X, Y, Z = O, S) was prepared and tested against several species of insects. Thus, 4-(PhMeCHO)C6H4NH2 and 2-ClC6H4CONCO in MeCN 1 h gave 4-(PhMeCHO)C6H4NHCONHCOC6H4Cl-2.

IT **74000-79-6P 74000-80-9P**
RL: PREP (Preparation)
(manufacture of, as insecticide)

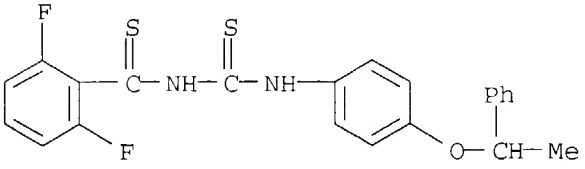
RN 74000-79-6 CAPLUS

CN Benzenecarbothioamide, 2-chloro-N-[[[4-(1-phenylethoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 74000-80-9 CAPLUS

CN Benzenecarbothioamide, 2,6-difluoro-N-[[[4-(1-phenylethoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1978:37603 CAPLUS

DOCUMENT NUMBER: 88:37603

TITLE: Guanidine derivatives and their salts with acids and quaternary ammonium salts

INVENTOR(S): Rasmussen, Chris Royce

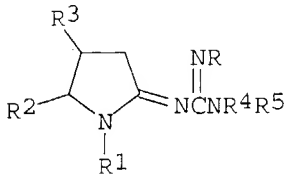
PATENT ASSIGNEE(S): McNeil Laboratories, Inc., USA

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2711757	A1	19770922	DE 1977-2711757	19770317
GB 1573532	A	19800828	GB 1977-10988	19770315
CS 225804	P	19840213	CS 1977-1755	19770316
BE 852565	A1	19770919	BE 1977-175865	19770317
NO 7700959	A	19770920	NO 1977-959	19770317
NO 148524	B	19830718		
NO 148524	C	19831026		
AU 7723351	A1	19780921	AU 1977-23351	19770317
AU 517804	B2	19810827		
SE 7703114	A	19770920	SE 1977-3114	19770318
SE 423628	B	19820517		
SE 423628	C	19820826		
FI 7700864	A	19770920	FI 1977-864	19770318
FI 65243	B	19831230		
FI 65243	C	19840410		
DK 7701194	A	19770920	DK 1977-1194	19770318
NL 7703011	A	19770921	NL 1977-3011	19770318
JP 52136168	A2	19771114	JP 1977-29411	19770318
JP 63027342	B4	19880602		
FR 2361366	A1	19780310	FR 1977-8229	19770318
FR 2361366	B1	19840302		
ES 457010	A1	19780716	ES 1977-457010	19770318
ZA 7701644	A	19781025	ZA 1977-1644	19770318
AT 7701906	A	19791015	AT 1977-1906	19770318
AT 356669	B	19800512		
SU 795471	D	19810107	SU 1977-2462806	19770318
CA 1100494	A1	19810505	CA 1977-274239	19770318
RO 71209	P	19811104	RO 1977-89709	19770318
IL 51694	A1	19820131	IL 1977-51694	19770318
CH 635073	A	19830315	CH 1977-3448	19770318
PL 110453	B1	19800731	PL 1977-196775	19770319
DD 130242	C	19780315	DD 1977-197955	19770321
CH 632994	A	19821115	CH 1981-1750	19810313
CH 634557	A	19830215	CH 1982-2061	19820402
CH 636084	A	19830513	CH 1982-2062	19820402

PRIORITY APPLN. INFO.: US 1976-668386 19760319
US 1976-752588 19761220
CH 1977-3448 19770318

GI



I

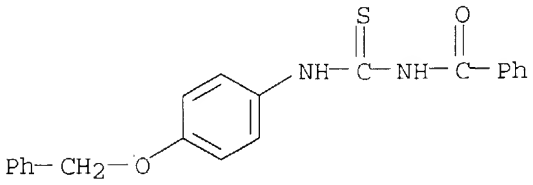
AB Approx. 75 pyrrolidinylideneguanidines I (R = Ph, CHPh2, 1-naphthyl etc.; R1 = Me, Ph cyclohexyl, CH2CH2OH, allyl, etc.; R2 = H, Ph, Me, etc.; R3 = H, Ph, etc.; NR4R5 = 1-pyrrolidinyl, morpholino, piperidino, etc.; R4 = R5

hypoglycemic and stomach secretion inhibitory activities in the rat.

IT **65069-49-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrolysis of)

RN 65069-49-0 CAPLUS

CN Benzamide, N-[[[4-(phenylmethoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



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FILE 'REGISTRY' ENTERED AT 17:59:48 ON 26 APR 2004

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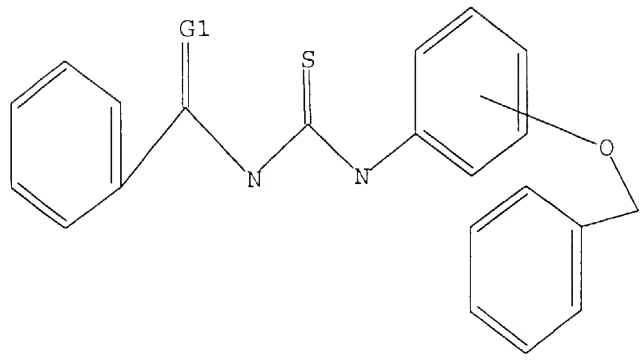
L2 50 S L1
L3 STRUCTURE UPLOADED
L4 50 S L3
L5 STRUCTURE UPLOADED
L6 50 S L5
L7 STRUCTURE UPLOADED
L8 0 S L7
L9 12 S L7 FULL
L10 12 S L7 FULL

FILE 'CAPLUS' ENTERED AT 18:11:47 ON 26 APR 2004

L11 6 S L9

=> d l7
L7 HAS NO ANSWERS
L7 STR



G1 O,S

Inventor Name Search Result

Your Search was:

Last Name = CHEN
First Name = DAWEI

Application#	Patent#	Status	Date Filed	Title	Inventor Name 10
60534839	Not Issued	020	01/06/2004	HETEROARYL SUBSTITUTED THIOUREAS; INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI
60509995	Not Issued	020	10/08/2003	SUBSTITUTED ARYLTHIOUREA DERIVATIVES AS INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI
60506699	Not Issued	020	09/26/2003	SUBSTITUTED ARYLTHIOUREA DERIVATIVES AS INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI
60496146	Not Issued	020	08/18/2003	SUBSTITUTED ARYTHIOUREA DERIVATIVES AS INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI
60486697	Not Issued	020	07/10/2003	SUBSTITUTED ARYLTHIOUREA DERIVATIVES AS INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI
60427634	Not Issued	020	11/19/2002	SUBSTITUTED ARYLTHIOUREA DERIVATIVES	CHEN, DAWEI
10716175	Not Issued	030	11/18/2003	SUBSTITUTED ARYL THIOUREAS AND RELATED COMPOUNDS; INHIBITORS OF VIRAL REPLICATION	CHEN, DAWEI

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